Original claims

Claims

1. A longitudinal cutter with a blade (2) and a counter-roller (3) characterized in that the blade (2) and the counter-roller (3) are driven and vertically displaceable.

2. A longitudinal cutter according to claim 1, characterized in that the vertically displacement of the blade and of the counter-roller respectively is carried out by a driving element (4, 9).

3. A packaging machine for producing through-shaped packaging elements or packagings from a packaging film, whereas with at least one longitudinal- (1) and one transversal-cutter the packaging can be separated from each other with a cover film after filling and sealing or the through-shaped packaging elements can be separated before filling, characterized in that the machine has at least a longitudinal cutter according to claims 1 to 2.

4. A packaging machine according to claim 3, characterized in that the packaging machine has several longitudinal cutter on which respectively the blade (2) and the counter-roller (3) are drivable and vertically displaceable.

5. A packaging machine according to claims 3 or 4, characterized in that respectively the blade (2) and the counter-roller (3) are separately drivable and/or vertically displaceable.

6. A packaging machine according to claims 3 or 4, characterized in that the blade (2) and the counter-roller (3) are at least partially drivable and/or at least partially vertically displaceable together.

7. A packaging machine according to one of the claims 3 to 6, characterized in that the drive and/or the vertically displacement of the blade (2) and of the counter-roller (3) are automatically controllable due to the elected design of the through-shaped packaging element and of the format.

8. A packaging machine according to claim 8, characterized in that the information on the design of the packaging and/or the format is saved and readable on a data processing medium, preferably on a transponder, in a deep drawing tool for the manufacture of the through-shaped packaging elements.